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Part Number: **0436500509**
Status: **Active**
Overview: Micro-Fit Connector System
Description: Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 5 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow-Wire Capable, Black

Documents:

3D Model (PDF)	Test Summary TS-43045-001-001 (PDF)
Drawing (PDF)	Test Summary TS-43045-002-001 (PDF)
3D Model	Test Summary TS-46235-001-001 (PDF)
Product Specification PS-43650-001 (PDF)	Datasheet (PDF)
Packaging Specification 436500001-PK-000 (PDF)	Symbol Footprint Data SYM-43650-0509 (PDF)
Packaging Specification 708730000-PK-000 (PDF)	RoHS Certificate of Compliance (PDF)
Test Summary 430450004-TS-000 (PDF)	Product Literature (PDF)

Agency Certification

CSA	LR19980
UL	E29179

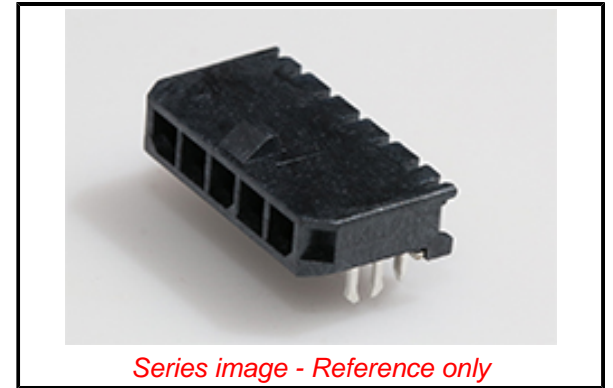
General

Product Family	PCB Headers
Series	43650
Application	Power, Wire-to-Board
Comments	""""""""High Temperature Square Pin Solder Type<P><P>This Molex product is manufactured from material that has the following ratings, tested by independent agencies:. a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12.and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. <P><P> The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). <P> If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. """"""""

Overview	Micro-Fit Connector System
Product Name	Micro-Fit 3.0
UPC	800755008418

Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Mated Height	6.98mm
Material - Metal	Brass



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[43650 Series](#)

Mates With

Micro-Fit 3.0 Receptacle Housing [43645](#)

Micro-Fit 3.0 TPA Receptacle Housing
[171850](#)
Micro-Fit TPA Cable Assembly
[145132](#)
 Micro-Fit 3.0 Cable Assembly
[2147501051](#) , [2147501052](#) , [2147501053](#) ,
[2147511051](#) , [2147511052](#) , [2147511053](#)

Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.949/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	3.00mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	8.5A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	030
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	436500001-PK-000, 708730000-PK-000
Product Specification	PS-43650-001
Sales Drawing	SD-43650-004-000
Symbol/Footprint Data	SYM-43650-0509
Test Summary	430450004-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001

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